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Wednesday, February 27, 2013 2:07 PM

Hanchett, James (DPH)

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Read the Latest Issue of Separation Science, which includes articles on:

Ghost Peaks in Gas Chromatography Part 1: The Carrier Gas and Carrier Gas Line

We always get a number of inquiries from customers that see peaks show up in their chromatogram when they do not inject them. There are several sources for these "ghost peaks" which we will discuss in several articles. Click for PDF>>

Sample preparation has always been a crucial step of the whole analytical procedure since complex matrices cannot be analysed directly even with advanced analytical instrumentation. Extraction, clean-up as well as concentration of the target analytes are the main processes involved in sample preparation methods. In this respect, a large number of procedures have been developed so far. Click for PDF>>

Sequential Determination of Fat- and Water-soluble

Vitamins in Green Leafy Vegetables
The simultaneous analysis of fat- and water-soluble vitamins
from foods is a challenging task considering the wide range of
chemical structures involved and the fact that foods are complex matrices. In this work, a new procedure based on a sequential extraction and analysis of both types of free vitamins in fresh-cut vegetables is described. The method allows the quantification of vitamins C, B₁, B₂, B₃, B₅, B₆, B₈, E and provitamin A in leafy vegetable products, attaining low limits of quantification (LOQs), high appropriate recoveries (83% to 105%) and good repeatability and linearity for all vitamins

Click for PDF>>

Determination of α-acids in Hops and Beers Hops are crucial in beer brewing. They are added after the malting of the grains and provide beers with their recognizable bitter taste and aroma. The widespread use of hops in beer dates back to the sixteenth century. However, as early as in the eleventh century it was used as a natural preservative in central Europe (today Germany); the outcome was not only a well preserved beer, but a beer with a distinctive smell and taste. In this article, a simple method for determining the type and amount of q-acids in pellets from five hop varieties is

presented. Click for PDF>>

Fast determination of residual glycerol and glycerides in biodiesel by SFC/MS using the Agilent 1260 Infinity Analytical SFC System
Company: Agilent Technologies Click to read>>

Qualitative Evaluation of Aroma-Active Compounds in Grape and Grape-Derived Products by Means of Headspace SPME-GC/MS Analysis Company: PerkinElmer

Antibody Drug Conjugate (ADC) Analysis Company: Wyatt Technology Click to read>>

Extraction of 1, 25 Dihydroxyvitamin D From Human Serum Using ISOLUTE® SLE+ Prior to LC-MS/MS Analysis Company: Biotage

nalysis of 3 Nonsteroidal Anti-inflammatory Drugs Using a Solid Core HPLC Column Company: Thermo Scientific

Variable Inline Preconcentration including Matr Elimination for trace anion analysis MiPCT-ME Company: Metrohm

Application of Bio-SPME for the Enrichment of Illicit Phenethylamine and Cathinone Compounds from Biological Samples Company: Supelco/Sigma-Aldrich Click to read>>

Large Volume Splitless Injection Using an Unmodified Split/Splitless Inlet and GC-TOFMS for Pesticides and

Profiling Extra Virgin Olive Oil using QTOF LC/MS and Developing a Prediction Model for

Geographical Origin
Determination and
Adulteration of Oils Presenter: Jack Cappozzo 12 March, 2013 Click here>>

Implement High Quality, Routine GC-MS/MS Multienters: Paul Silcock and Jason Cole 21 March, 2013

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Why Inertness Matters in Gas Phase Analyses Presenter: Ken Lynam Click here>>

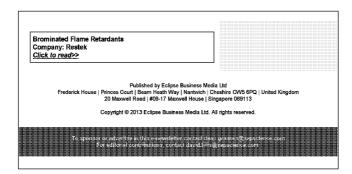
Trouble-free Fond Testing: Easy
Technologies to Improve
Uptime and Productivity Presenters: Dr Jason Link & Mike Chang

Trends in Method Development for HPLC and LIHPI C - the Movement Toward Using Solid-Core Particles Presenter: Richard A.

How to get Rugged Results in Pesticide Presenter: Katerina Mastovska

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